
 (TM)

Release 3.1A John F. Collins, Biocomputing Research Unit.
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MPSEARCH n.a. - n.a. Smith-Waterman search, using a protein query
 which has been backtranslated into n.a. using IUPAC symbols

Run on: 'Fri Oct 22 08:28:27 1999; MasPar time 6.37 Seconds
 Tabular output not generated.

Title: >US-08-978-217-12
 Description: (1-16) from US08978217.pep
 Perfect Score: 205
 N.A. Sequence: 1 AARAAYWSNNNSNGGNTGAARGARGARGNTNYNCARWNMGNAAY 48
 Comp:

Scoring table: TABLE bktranslate2
 Gap 40

Nmatch STD : Dbase 0: Query 0

Searched: 165359 seqs, 43243793 bases x 2
 Post-processing: Minimum Match 0%
 Database: n-issued

Statistics: Mean 35.228; Variance 163.699; scale 0.215
 Prd. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	Pred. No.
1	193	94.1	1920	3 US-08-746- Sequence 1, Application 7.31e-06	1
2	119	58.0	7218	2 US-08-232- Sequence 14, Application 2.80e+00	2
3	108	52.7	3223	3 US-08-622- Sequence 9, Application 1.63e+01	3
4	108	52.7	5084	4 PCT-US33-0 Sequence 25, Application 1.63e+01	4
5	108	52.7	5084	2 US-08-306- Sequence 21, Application 1.63e+01	5
6	103	50.2	2310	2 US-08-461- Sequence 1, Application 3.56e+01	6
7	103	50.2	2311	1 US-08-103- Sequence 1, Application 3.56e+01	7
8	103	50.2	24979	4 PCT-US33-0 Sequence 3, Application 3.56e+01	8
9	101	49.3	493	3 US-08-201- Sequence 6, Application 4.84e+01	9
10	101	49.3	2009	4 PCT-US33-0 Sequence 6, Application 4.84e+01	10
11	101	49.3	2258	3 US-08-201- Sequence 12, Application 4.84e+01	11
12	101	49.3	4 PCT-US33-0	4 Sequence 12, Application 4.84e+01	12
13	101	49.3	2935	2 US-08-246- Sequence 1, Application 4.84e+01	13
14	100	48.8	900	4 PCT-US33-0 Sequence 11, Application 5.63e+01	14
15	98	47.8	2574	3 US-08-441- Sequence 6, Application 7.66e+01	15
16	98	47.8	3742	3 US-08-694- Sequence 5, Application 7.66e+01	16
17	98	47.8	17041	1 US-08-076- Sequence 1, Application 7.66e+01	17
18	97	47.3	519838	5 Patient No. 519838- Sequence 1, Application 8.91e+01	18
19	97	47.3	17041	1 US-08-076- Sequence 1, Application 8.91e+01	19

DT Sequence 25, Application PC/TUS9306251 in P.
 DE Sequence 25, Application PC/TUS9306251 in P.
 CC GENERAL INFORMATION:
 CC APPLICANT: Wikstrom, Eric and Rikkyiphosphonates and Arylphosphonates
 CC TITLE OF INVENTION: Trivalent S.
 CC TITLE OF INVENTION: StereosPHY & PRESSER
 CC NUMBER OF SEQUENCES: 93-za
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: SCULY
 CC STREET: 400 GARD
 CC CITY: Garden St.
 CC STATE: NY
 CC COUNTRY: PC compatible
 CC ZIP: 1ST
 CC COMPUTER: PC-DOS/MS-DOS
 CC COPUR: Patient Release #1.0, Version #1.25
 CC APPLICATION DATA:
 CC NATION NUMBER: PCT/US93/06251
 CC FILING DATE: September 15, 1994
 CC PRIORITY APPLICATION NUMBER:
 CC ATTORNEY/AGENT INFORMATION:
 NAME: Merraco, Daniel A.
 REGISTRATION NUMBER: 30,480
 REFERENCE/DOCKET NUMBER: 8321-8
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: (215) 568-8333
 CC TELEFAX: (215) 568-5549
 CC TELEX: No. 5734039e
 CC INFORMATION FOR SEQ ID NO: 21:
 CC SEQUENCE CHARACTERISTICS:
 LENGTH: 5084 base pairs
 TYPE: nucleic acid
 CC STRANDEDNESS: double
 CC TOPOLOGY: linear
 SQ SEQUENCE 5084 BP: 1450 A; 1053 C; 1111 G; 1470 T; 0 OTHER.
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 Best Local Similarity 52.7%; Score 108; DB 4; Length 5084;
 Matches 15; Conservative 12; Mismatches 8; Indels 0; Gaps 0;
 Db 2899 GTGCCGAGCCGGTTCCTCCCTCCAGCCCTGTCT 2933
 Cp 41 SWTYGNARNACNYCYTCYTCTTCANCCNSWSW 7
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 ID US-08-306-691B-21 STANDARD; DNA; UNC; 5084 BP.
 AC xxxx
 DT Sequence 1, Application US/08461690B
 DE Sequence 1, Application US/08461690B
 CC Patent No. 5567035
 CC GENERAL INFORMATION:
 CC APPLICANT: Jan, Lily Y.
 CC APPLICANT: Yuh Ning
 CC APPLICANT: Kubo, Yoshihiro
 CC APPLICANT: Revenyi, Etan
 CC APPLICANT: Slesinger, Paul A.
 CC TITLE OF INVENTION: Cloning of Mammalian Inward Rectifier
 CC NUMBER OF SEQUENCES: 26
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: Fliehr, Hohbach, Test, Albritton & Herbert
 CC STREET: Four Embarcadero Center, Suite 3400
 CC CITY: San Francisco
 CC STATE: California
 CC ZIP: United States
 CC ZIP: 94114-187
 CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: FLOPPY DISK
 CC COMPUTER: IBM PC COMPATIBLE
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: Patient Release #1.0, Version #1.30
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/461,690B
 CC FILING DATE: 05-JUN-1995
 CC PRIOR APPLICATION NUMBER:
 CC REFERENCE/DOCKET NUMBER: 24,190

Tue Oct 26 15:35:46 1999

CC SOFTWARE: PatentIn Release #1.0, Version #1.25
 CC INFORMATION FOR SEQ ID NO: 6:
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: PCT/US93/03985
 CC FILING DATE: 19930428
 CC CLASSIFICATION:
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Paul, Thomas D.
 CC REGISTRATION NUMBER: 32,714
 CC REFERENCE/DOCKET NUMBER: D-5478
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: 713/651-5225
 CC TELEFAX: 713/651-5246
 CC TELEX: 7162029
 CC INFORMATION FOR SEQ ID NO: 3:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 24979 base pairs
 CC TYPE: NUCLEAR ACID
 CC STRANDEDNESS: double
 CC TOPOLOGY: linear
 CC MOLECULE TYPE: DNA (genomic)
 CC HYPOTHETICAL: NO
 CC ANTI-SENSE: NO
 SQ SEQUENCE 24979 BP; 6339 A; 5396 C; 6481 G; 6763 T; 0 OTHER.
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 Best Local Similarity 34.9%; Pred. No. 3.56e+01;
 Matches 15; Conservative 15; Mismatches 13; Indels 0; Gaps 0;
 DT Sequence 6, Application US/TU9505744
 DE Sequence 6, Application PC/TU9505744
 CC Sequence 6, Application PC/TU9505744
 CC GENERAL INFORMATION:
 CC APPLICANT: GOLDSTEIN, Joyce A.
 CC APPLICANT: ROMKES SPARKS, Marjorie
 CC APPLICANT: DE MORAIS, Sona M.F.
 CC TITLE OF INVENTION: CYTOCHROME P450 2C19: THE PRINCIPAL DETERMINANT
 CC TITLE OF INVENTION: CLONING, EXPRESSION AND DIAGNOSIS OF HUMAN
 CC TITLE OF INVENTION: OF S-MEPHYNTOIN METABOLISM
 CC NUMBER OF SEQUENCES: 61
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESS: Townsend and Townsend Khourie and Crew
 CC STREET: 379 Lytton Avenue
 CC CITY: Palo Alto
 CC STATE: California
 CC COUNTRY: US
 CC ZIP: 94301
 CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: FLOPPY DISK
 CC COMPUTER: IBM PC COMPATIBLE
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: PatentIn Release #1.0, Version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: PCT/US95/05744
 CC FILING DATE:
 CC CLASSIFICATION:
 CC PRIOR APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/201,118
 CC FILING DATE: 22-FEB-1994
 CC CLASSIFICATION: 435
 CC PRIORITY APPLICATION DATA:
 CC SOFTWARE: PatentIn Release #1.0, version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/201,118
 CC FILING DATE: 22-FEB-1994
 CC CLASSIFICATION: 435
 CC PRIORITY APPLICATION DATA:
 CC APPLICATION NUMBER: US 07/864,962
 CC FILING DATE: 09-APR-1992
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Liebeschuetz, Joe
 CC REFERENCE/DOCKET NUMBER: 37,505
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: (415) 326-2400
 CC TELEFAX: (415) 326-2422
 CC INFORMATION FOR SEQ ID NO: 6:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 2009 base pairs
 CC TYPE: nucleic acid
 CC STRANDEDNESS: single
 CC TOPOLOGY: linear
 CC MOLECULE TYPE: cDNA
 SQ SEQUENCE 2009 BP; 570 A; 455 C; 438 G; 546 T; 0 OTHER.
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 Best Local Similarity 48.1%; Pred. No. 4.84e+01;
 Matches 13; Conservative 9; Mismatches 5; Indels 0; Gaps 0;
 Db 485 GGAAGGAGGTTCAGGGCTAA 511
 Qy 21 RGARGARGTNYTNCARWSNMGA 47

CC ADDRESSEE: PENNIE & EDMONDS
 CC STREET: 1155 AVENUE OF THE AMERICAS
 CC CITY: NEW YORK
 CC STATE: NEW YORK
 CC COUNTRY: U.S.A.
 CC ZIP: 10036-2711
 CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: PatentIn Release #1.0, version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/246,583
 CC FILING DATE: 20-MAY-1994
 CC CLASSIFICATION: 514
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Coruzzi, Laura A.
 CC REGISTRATION NUMBER: 30,742
 CC REFERENCE/DOCKET NUMBER: 6923-040
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: (212) 790-9090
 CC TELEFAX: (212) 869-8864/9741
 CC TELEX: 66141 PENNIE
 CC INFORMATION FOR SEQ ID NO: 1:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 2935 base pairs
 CC TYPE: nucleic acid
 CC STRANDEDNESS: double
 CC TOPOLOGY: unknown
 CC MOLECULE TYPE: cDNA
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 CC NAME/KEY: CDS
 CC LOCATION: 47..1627
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 SQ Best Local Similarity 51.6%; pred. No. 4. 84e+01; 8; Mismatches 7; Indels 0; Gaps 0;
 Matches 16; Conservative 8;
 Db 126 GGAGGGAGGAGAGACTGGAGTTACGAAA 156
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 Qy 17 GGAAARGARGARGCCTGNTCARNMNGMNA 47
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 ID PCT-US95-08429-11 STANDARD; DNA; UNC; 900 BP.
 AC xxxxxx
 DT Sequence 11, Application PC/TUS9508429
 CC Sequence 11, Application PC/TUS9508429
 CC GENERAL INFORMATION:
 CC APPLICANT:
 CC TITLE OF INVENTION: CTCF
 CC NUMBER OF SEQUENCES: 21
 CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: PatentIn Release #1.0, Version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: PCT/US95/08429
 CC FILING DATE: 15-JUN-1995
 CC CLASSIFICATION:
 CC PRIOR APPLICATION DATA:
 CC APPLICATION NUMBER: US 08/261,680
 CC FILING DATE: 17-JUN-1994
 CC CLASSIFICATION:
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: Parmelee, Steven W.
 CC REGISTRATION NUMBER: 31,990
 CC REFERENCE/DOCKET NUMBER: 14338A-11-1PC
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: 206-467-9600
 CC INFORMATION FOR SEQ ID NO: 11:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 900 base pairs
 CC TOPOLGY: linear
 CC MOLECULE TYPE: DNA (genomic)
 CC ORIGINAL SOURCE:
 CC ORGANISM: Mus musculus
 CC IMMEDIATE SOURCE:
 CC CLONE: c-myc
 CC FEATURE:
 CC NAME/KEY: -
 CC LOCATION: 586..587
 CC OTHER INFORMATION: /label= P2
 CC OTHER INFORMATION: /note= "Designates the -1 (586) and +1 (587) nucleotides of the P2 promoter."
 CC SEQUENCE 900 BP; 190 A; 261 C; 288 G; 161 T; 0 OTHER.
 SQ Query Match 48.8%; Score 100; DB 4; Length 900;
 Best Local Similarity 50.0%; pred. No. 5.65e+01; 8; Mismatches 7; Indels 0; Gaps 0;
 Matches 15; Conservative 8;
 Db 236 TGCGGGCTAGGGCTCTCCCTCTTTC 265
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 Cp 46 TNCKNSWYTGARNACNYCCTCYTCYTCC 17
 RESULT 15
 ID US-08-441-139-6 STANDARD; DNA; UNC; 2574 BP.
 AC xxxxx
 DT Sequence 6, Application US/08441139
 CC Sequence 6, Application US/08441139
 CC Patent No. 573245
 CC GENERAL INFORMATION:
 CC APPLICANT: Wittrup, Dr. Karl D.
 CC APPLICANT: Robinson, Anne S.
 CC TITLE OF INVENTION: METHODS FOR INCREASING SECRETION OF RECOMBINANTLY EXPRESSED PROTEINS
 CC NUMBER OF SEQUENCES: 20
 CC CORRESPONDENCE ADDRESS:
 CC ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
 CC STREET: 400 Garden City Plaza
 CC CITY: Garden City
 CC STATE: NY
 CC COUNTRY: USA
 CC ZIP: 11530
 CC COMPUTER READABLE FORM:
 CC MEDIUM TYPE: Floppy disk
 CC COMPUTER: IBM PC compatible
 CC OPERATING SYSTEM: PC-DOS/MS-DOS
 CC SOFTWARE: PatentIn Release #1.0, Version #1.25
 CC CURRENT APPLICATION DATA:
 CC APPLICATION NUMBER: US/08/441,139
 CC FILING DATE: 15-MAY-1995
 CC CLASSIFICATION: 435
 CC PRIOR APPLICATION DATA:
 CC APPLICATION NUMBER: US 08/089,997
 CC FILING DATE: 06-JUL-1993
 CC ATTORNEY/AGENT INFORMATION:
 CC NAME: DiGilio, Frank S.
 CC REGISTRATION NUMBER: 31,346
 CC REFERENCE/DOCKET NUMBER: 8646
 CC TELECOMMUNICATION INFORMATION:
 CC TELEPHONE: 516-742-4343
 CC TELEFAX: 516-742-4366
 CC TELEX: 230 901 SANS UR
 CC INFORMATION FOR SEQ ID NO: 6:
 CC SEQUENCE CHARACTERISTICS:
 CC LENGTH: 2574 base pairs
 CC TYPE: nucleic acid

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CC
CC STRANDEDNESS: double
CC TOPOLOGY: linear
CC MOLECULE TYPE: DNA (genomic)
CC FEATURE:
CC NAME/KEY: CDS
CC LOCATION: 441..2429
SQ SEQUENCE: 2574 BP; 719 A; 486 C; 544 G; 825 T; 0 OTHER.

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				Matches 16; Local Similarity 37.2%;	Gaps 0;

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Job time : 61 secs.